

# Ongoing electronic development in the CERN Beam Instrumentation Group: challenges and solutions for the measurement of particle accelerator beam parameters.

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The Beam Instrumentation Group (BI) is responsible for designing, building and maintaining the instruments that allow observation of the particle beams and the measurement of related parameters for all CERN accelerators and transfer lines. This contribution is aimed to give an overview of the ongoing electronic developments within the beam instrumentation group both to improve the performances and ease the maintenance of instrumentation in the existing machines and to meet the requirements of future accelerators. Details on the some of the challenges and proposed technical solutions will be presented.

## Summary

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